

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	141	(water moisture liquid vapor) near4 (absorption or absorb\$3 same hydrophilic near4 polymer and hydrophilic with polymer with chain and hydrophilic near4 polymer with (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread \$3 embed\$3 apply\$3 dispens\$3 blend\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/11 19:35
L12	691	(YAMAGUCHI with TSUTOMU).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/11 21:19
S1	648	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/11 12:03
S2	1	(piano or keyboard) and key with synthetic near4 resin same polymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 22:05
S3	2	(piano or keyboard) and key same synthetic near4 resin same polymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 22:32
S4	2	("5559297").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/11 10:09
S5	3	("5559297").URPN.	USPAT	OR	OFF	2007/12/10 22:35

S6	7	("0115988"   "3417649"   "4346639"   "4486041"   "5265515").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/10 22:37
S7	2	(keyboard with material with water with absorbing with properties)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/11 10:10
S8	281	(84/433).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/11 12:03
S9	666	(84/423r).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/22 12:11
S10	285	(84/433).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/22 12:33
S11	134	(keyboard or key or keypad) same water with absorb\$3 with (properties or material)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 13:07
S12	7071	(keyboard or key or keypad) and hydrophilic near4 polymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 13:39
S13	1413	(keyboard or key or keypad) and hydrophilic near4 polymer same hydrophilic with (group or chain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 13:41
S14	71	(keyboard or key or keypad) and hydrophilic near4 polymer same hydrophilic with (group near5 chain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 13:41

S15	3	"20040250171"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 13:46
S16	65	(keyboard or key or keypad) and hydrophilic near4 polymer same hydrophilic with (polyoxyethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 14:12
S18	74	(coat\$3 or cover\$3 or touch\$3 or surface or layer film) with hydrophili\$3 near4 polymer same hydrophili\$3 with (group near5 chain) with (water or moisture or vapor or sweat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 14:54
S19	2	("6248127").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/22 15:14
S20	809	(coat\$3 or cover\$3 or touch\$3 or surface or layer film or plate) with hydrophili\$3 near4 polymer same absorb\$3 near5 (water or moisture or vapor or sweat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 15:31
S21	87	(coat\$3 or cover\$3 or touch\$3 or surface or layer film or plate) with resin with hydrophili\$3 near4 polymer same absorb\$3 near5 (water or moisture or vapor or sweat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 15:36
S22	5	(piano or keyboard or keypad or key adj (board or pad)) and key same hydrophili\$3 near4 polymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 16:00

S27	641	hydrophilic with (starch cellulose starch near3 derivatives cellulose near3 derivatives polyvinyl near3 alcohol acrylic near3 acid salts) with (main side) adj chain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 16:46
S28	134	hydrophilic adj group with (starch cellulose starch near3 derivatives cellulose near3 derivatives polyvinyl near3 alcohol acrylic near3 acid salts) with (main side) adj chain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 16:54
S29	77	hydrophilic adj polymer with (starch cellulose starch near3 derivatives cellulose near3 derivatives polyvinyl near3 alcohol acrylic near3 acid salts) with (side) adj chain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/22 17:05
S30	0	JP62158757A	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/22 17:15
S31	2	"62158757"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/22 17:15
S32	678	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/16 17:46
S33	573	(water moisture) near4 (absorption or absorb\$3) same (ABS or resin) same hydrophilic near4 polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 18:04
S34	43	(water moisture) near4 (absorption or absorb\$3) same (ABS or resin) same hydrophilic near4 polymer and (unevenly distributed) with (surface area)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 18:07

S37	671	(water moisture) near4 (absorption or absorb\$3) and hydrophilic near4 polymer same (unevenly distributed mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$43) with (surface area)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 18:32
S39	32	(water moisture liquid vapor) near4 (absorption or absorb\$3) and hydrophilic near4 polymer same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 random\$2 unfair\$2) near6 (distributed\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$43) with (surface area layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 18:35
S41	37	(water moisture liquid vapor) near4 (absorption or absorb\$3) and hydrophilic near4 polymer same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2) near6 (distributed\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/16 21:19
S42	164	(water moisture liquid vapor) near4 (absorption or absorb\$3) same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2) near6 (distributed\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3) with (surface area layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/18 10:55

S43	5	((water moisture liquid vapor) near4 (absorption or absorb\$3) same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2 non adj homogeneous\$2 non adj uniform\$2) near6 (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3) same (surface area layer)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/18 12:40
S44	2	((water moisture liquid vapor) near4 (absorption or absorb\$3) same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2 non adj homogeneous\$2 non adj uniform\$2) near6 (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3) same (surface area layer)).clm.	US-PGPUB	OR	ON	2009/01/18 12:44
S45	5	((water moisture liquid vapor) near4 (absorption or absorb\$3) same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2 non adj homogeneous\$2 non adj uniform\$2) near6 (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3)).clm.	US-PGPUB	OR	ON	2009/01/18 12:44
S46	650	(YAMAGUCHI with TSUTOMU).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/18 12:47
S47	693	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/03 10:59

S48	25	(hydrophilic near4 polymer) with uniformly with (dispers\$3 distribut\$3) with (base base abs resin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 15:00
S49	0	(hydrophilic near4 polymer) same random\$2 with uniformly with (dispers\$3 distribut\$3) with (base base abs resin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 15:19
S50	0	(hydrophilic near4 polymer) same random\$2 same uniformly with (dispers\$3 distribut\$3) with (base base abs resin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 15:19
S51	0	(hydrophilic near4 polymer) same random\$2 same uniformly same (dispers\$3 distribut\$3) with (base base abs resin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 15:19
S52	8	(hydrophilic near4 polymer) same random\$2 same uniformly same (dispers\$3 distribut\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 15:19
S53	40	(water moisture liquid vapor) near4 (absorption or absorb\$3) and hydrophilic near4 polymer same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2) near6 (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 15:26
S54	40	(water moisture liquid vapor) near4 (absorption or absorb\$3) and hydrophilic near4 polymer same (uneven\$2 unequal\$2 uniform\$2 irregular\$2 unfair\$2) near6 (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 23:51

S55	21	S54 and hydrophilic with polymer with chain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/03 23:51
S56	383	(water moisture liquid vapor) near4 (absorption or absorb\$3) same hydrophilic near4 polymer and hydrophilic with polymer with chain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/04 16:39
S57	137	(water moisture liquid vapor) near4 (absorption or absorb\$3) same hydrophilic near4 polymer and hydrophilic with polymer with chain and hydrophilic near4 polymer with (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3 blend\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/04 16:43
S58	4	(water moisture liquid vapor damp wet) near4 (absorption or absorb\$3) same hydrophilic near4 polymer and hydrophilic near4 polymer with ((main or side) adj chain) and hydrophilic near4 polymer with (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3 blend\$3) with (resin abs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/05 16:20
S59	19	(water moisture liquid vapor damp wet) near4 (absorption or absorb\$3) same hydrophilic near4 polymer and hydrophilic near4 polymer with ((main or side) adj chain) and hydrophilic near4 polymer with (resin abs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/05 16:25
S62	56	(water moisture liquid vapor damp wet) with hydrophilic near4 polymer same hydrophilic near4 polymer with ((main or side) adj chain) and hydrophilic near4 polymer with (resin abs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/05 16:48



S63	71	(water moisture liquid vapor damp wet) with hydrophilic near4 polymer same hydrophilic near4 polymer with (resin abs) and hydrophilic near4 polymer with ((main or side) adj chain)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/05 16:57
S65	1	"84"/\$.ccls. and (water moisture liquid vapor damp wet) with hydrophilic near4 polymer same hydrophilic near4 polymer with (resin abs) and hydrophilic near4 polymer with (((main or side) adj chain) or (crosslink\$3 or cross adj link\$3) near4 polyacrylamide near8 polyoxyethylene or polyvinyl or alcohol adj polyacrylic or acid near5 polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/05 17:05
S66	169	(water moisture liquid vapor damp wet) with hydrophilic near4 polymer same hydrophilic near4 polymer with (resin abs) with (distribut\$3 mix\$3 scatter\$3 dispers\$3 spread\$3 embed\$3 apply\$3 dispens\$3 blend\$3) and hydrophilic near4 polymer with (((main or side) adj chain) or (crosslink\$3 or cross adj link\$3) near4 polyacrylamide near8 polyoxyethylene or polyvinyl or alcohol adj polyacrylic or acid near5 polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/05 17:06
S67	694	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/31 15:48

S68	709	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/01 10:12
S69	304	(84/433).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/01 11:06
S70	42	(water moisture liquid vapor damp wet) same (key keyboard) and hydrophilic near4 polymer with (resin abs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/01 12:21
S71	709	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/11 18:00
S72	948	(521/54).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/11 18:16
S73	0	S72 and (water moisture liquid vapor) near4 (absorption or absorb\$3) same hydrophilic near4 polymer and hydrophilic with polymer with chain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/11 18:17
S74	114	S72 and (water moisture liquid vapor) near4 (absorption or absorb\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/11 18:17

## EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L3	0	((hydrophilic with polymer) with particles same uniform\$2 with (dispers\$3 distribut\$3) with (key member) same unevenly with (dispers\$3 distribut\$3) with (area surface touch side layer)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/11 20:26
L4	0	((hydrophilic polymer) with particles same uniform\$2 with (dispers\$3 distribut\$3) with (key member) same unevenly with (dispers\$3 distribut\$3) with (area surface touch side layer)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/11 20:27
L5	1	((hydrophilic polymer particles) same uniform\$2 with (dispers\$3 distribut\$3) with (key member) same unevenly with (dispers\$3 distribut\$3) with (area surface touch side layer)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/11 20:27
L7	2	((hydrophilic polymer particles) same uniform\$2 with (dispers\$3 distribut\$3) same unevenly with (dispers\$3 distribut\$3) with (area surface touch side layer)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/11 20:29
L8	2	((hydrophilic polymer particles) same uniform\$2 with (dispers\$3 distribut\$3) same unevenly with (dispers\$3 distribut\$3)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/11 20:30
L10	499	((hydrophilic polymer) with particles same (uniform\$2 unevenly) with (dispers\$3 distribut\$3)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/11 20:31

3/11/2010 9:52:22 PM

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